

FIG.1

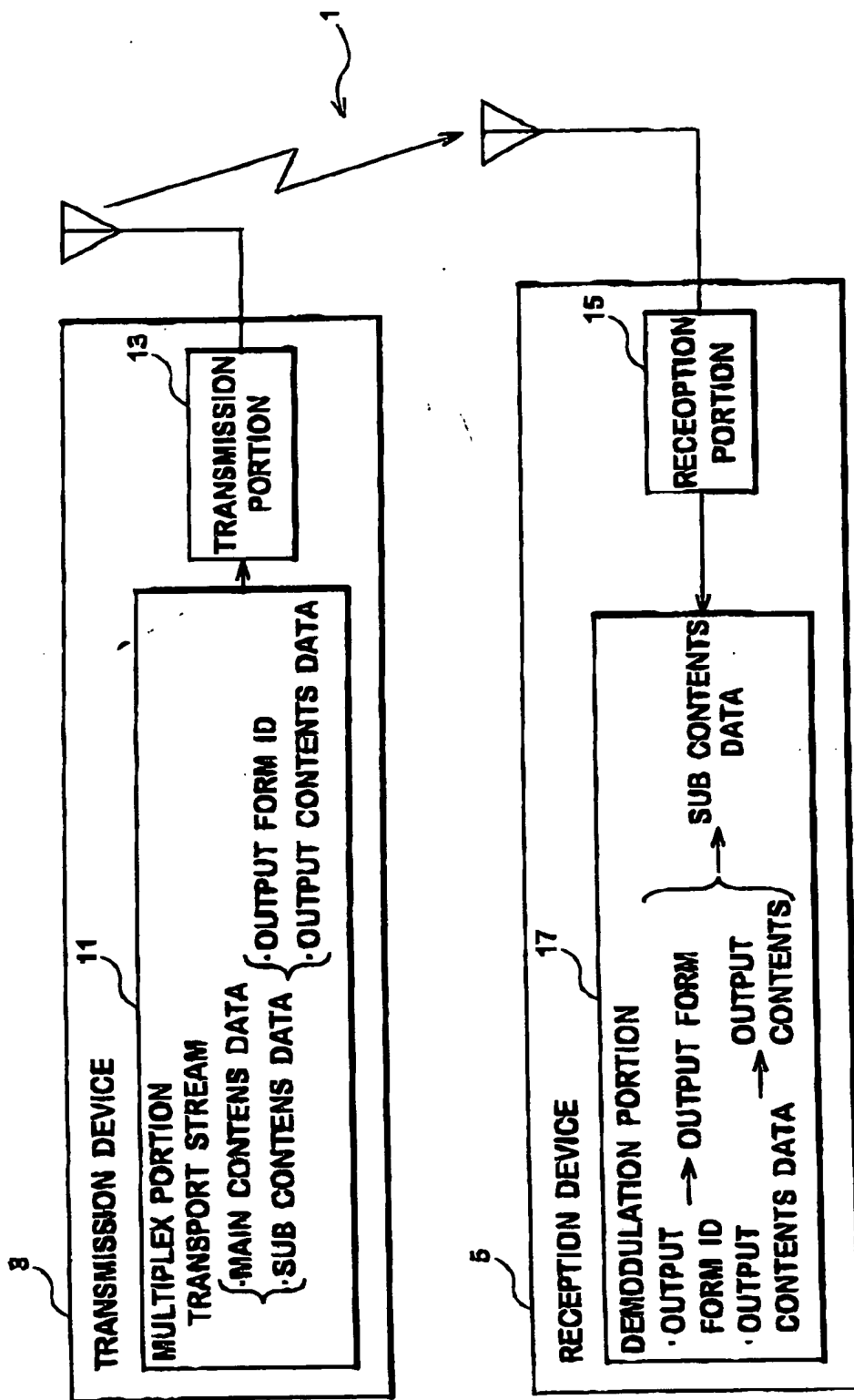
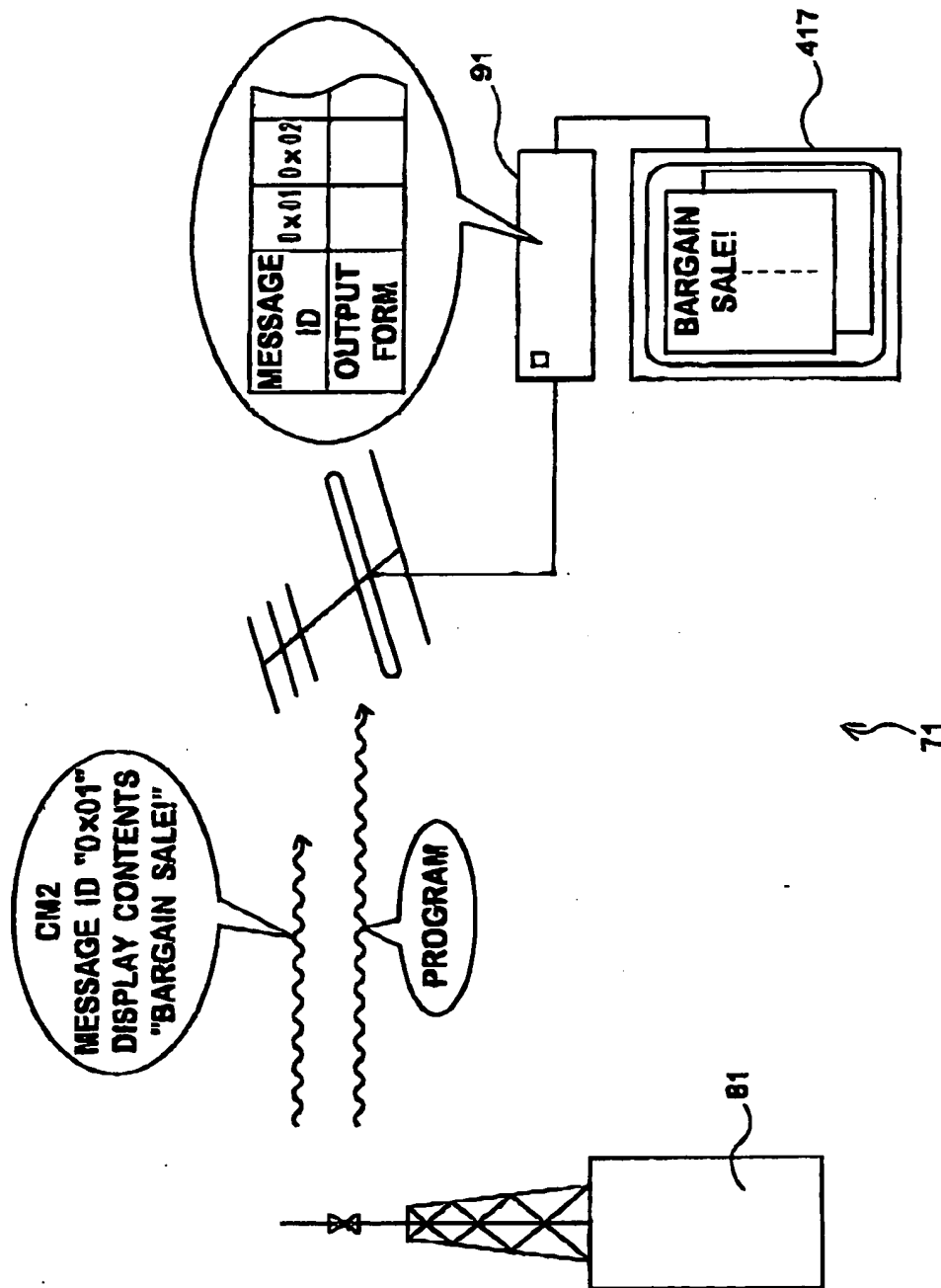


FIG.2



HARDWARE STRUCTURE OF DIGITAL BROADCAST TRANSMISSION DEVICE 81

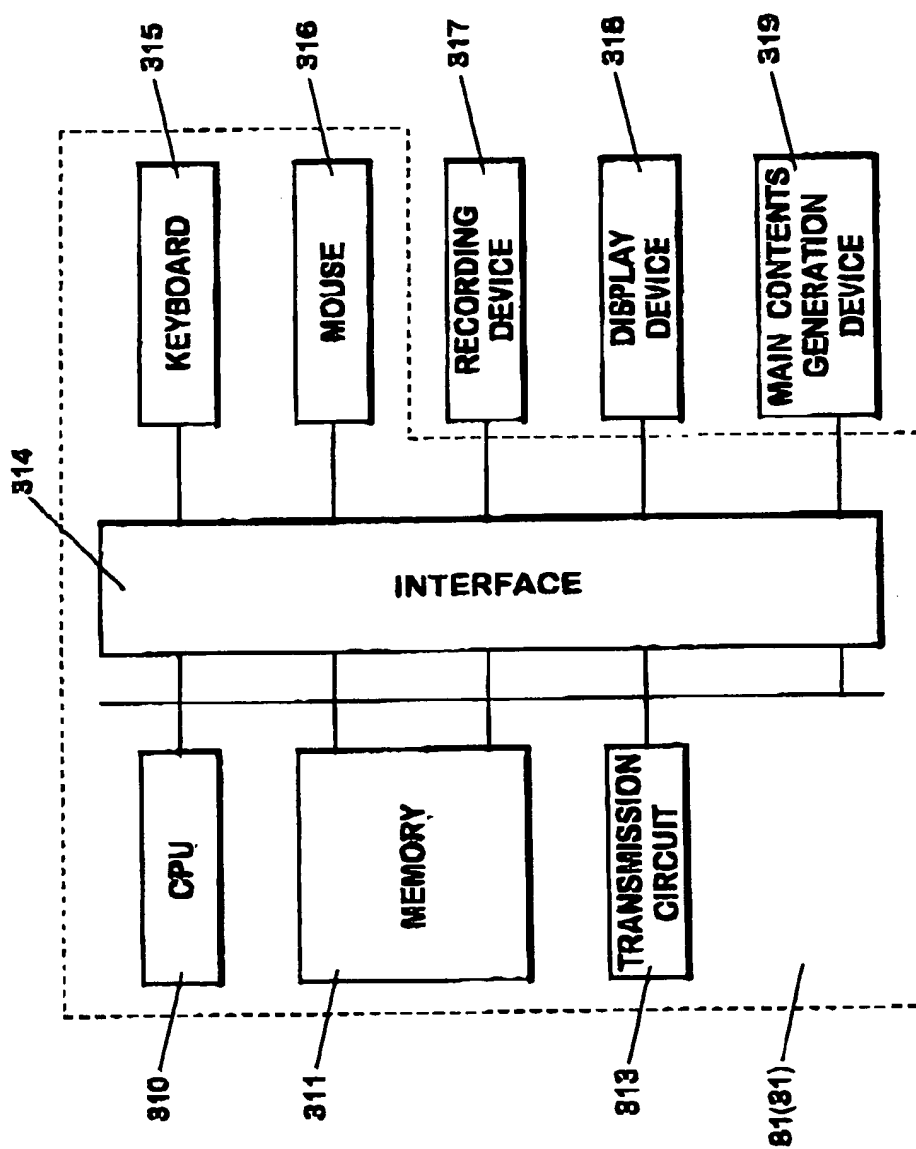
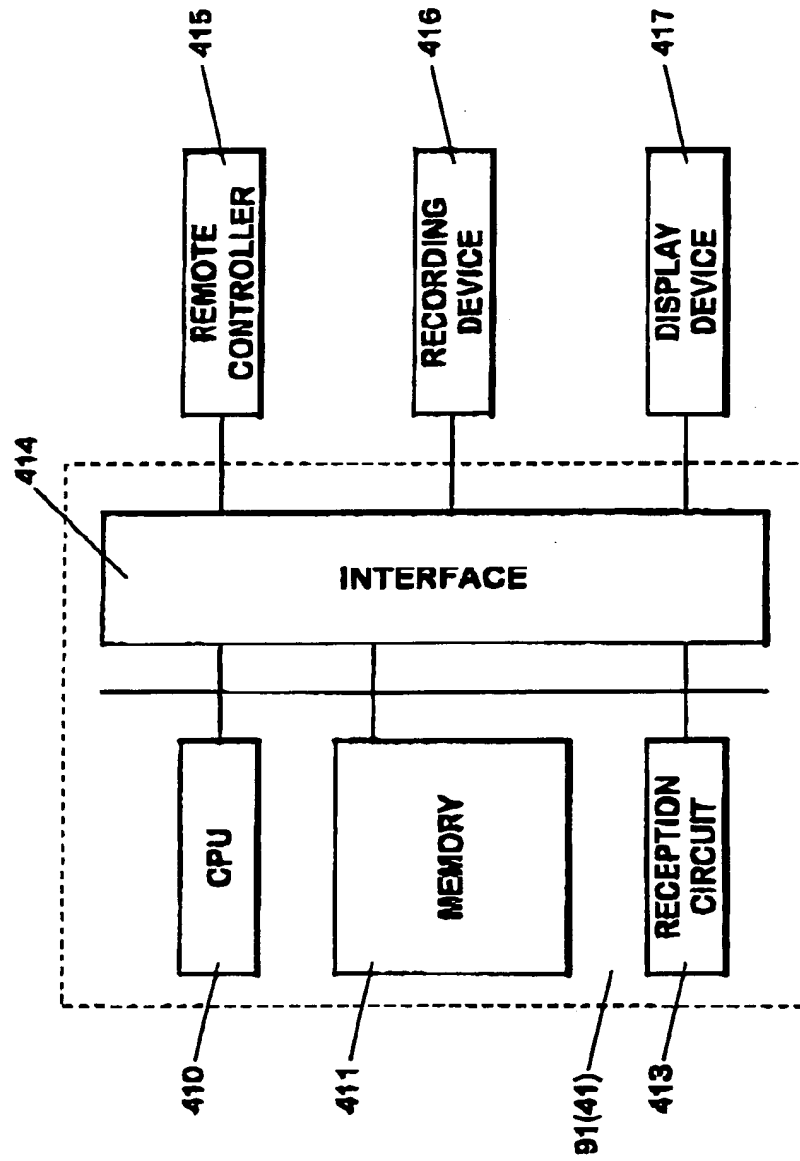
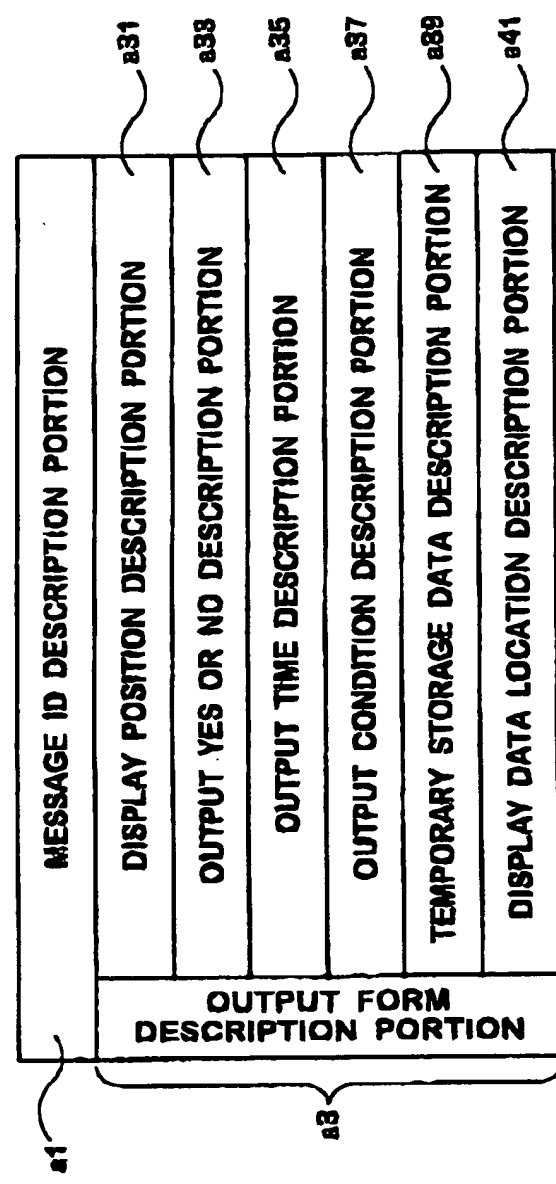


FIG.4**HARDWARE STRUCTURE OF DIGITAL BROADCAST RECEPTION DEVICE 91**

0009 VAL 8 S' 0744611 0009 000

FIG. 5

DATA STRUCTURE OF THE REFERENCE TABLE
OF THE MESSAGE ID AND THE DISPLAY FORM



0005 11AL 8 5 01

FIG.6

EXAMPLE OF THE REFERENCE TABLE OF THE MESSAGE ID AND OUTPUT FORM

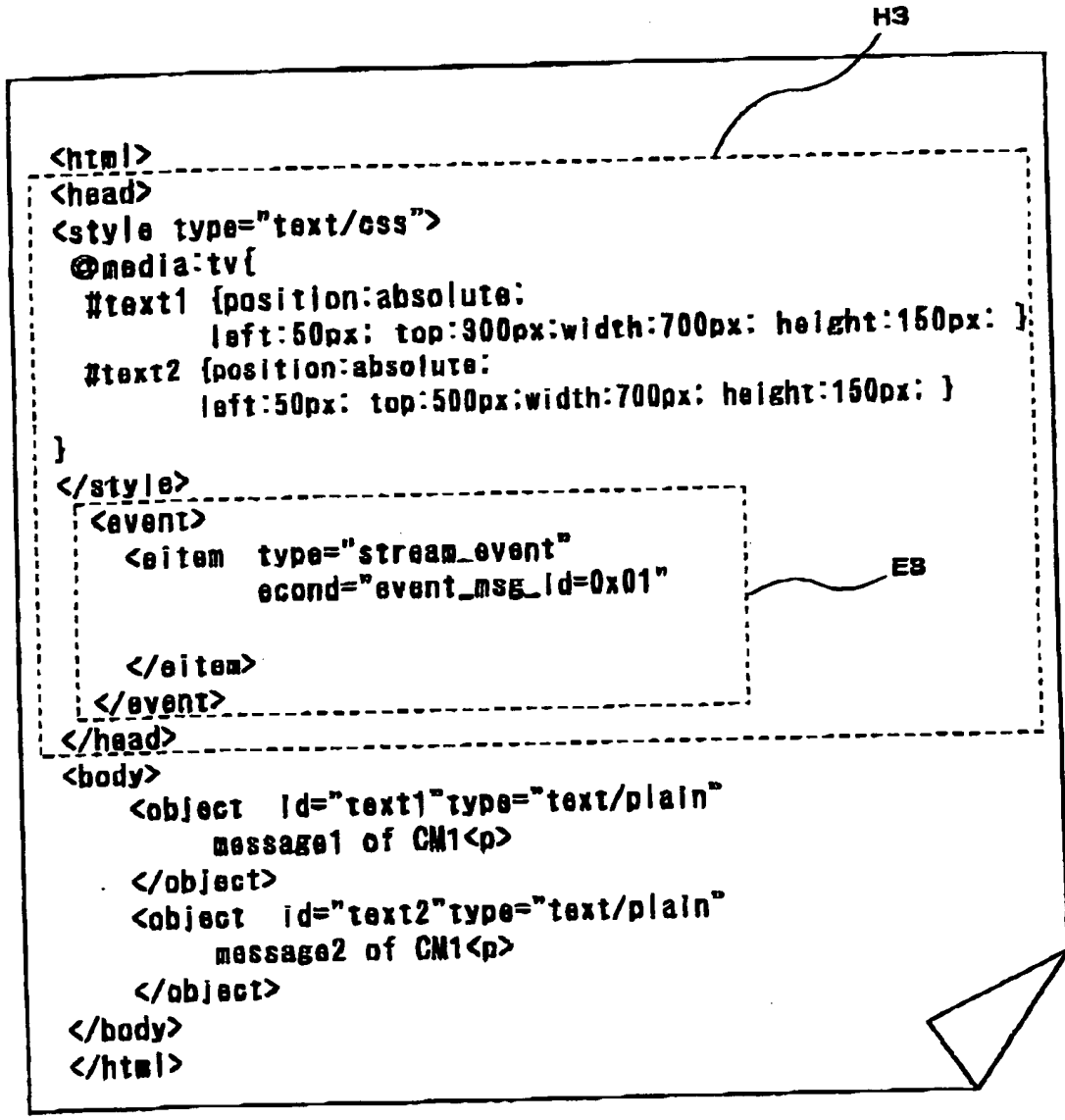
ID	b1				b2		b3		b4		b5		T3	
	0x01	0x02	0x03	0x04	0x05									
ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE									b11
OUTPUT	OUTPUT	NO OUTPUT	NO OUTPUT	NO OUTPUT	NO OUTPUT									b13
MESSAGE ID RETRIEVAL TIME	MESSAGE ID RETRIEVAL TIME	MESSAGE ID RETRIEVAL TIME	MESSAGE ID RETRIEVAL TIME	MESSAGE ID RETRIEVAL TIME	MESSAGE ID RETRIEVAL TIME									b15
														b17
														b19
MAIN CONTENTS TIME STAMP	MAIN CONTENTS TIME STAMP	SUB CONTENTS TIME STAMP	DO NOT SAVE	DO NOT SAVE	MAIN CONTENTS TIME STAMP									b21
RECIEVED OUTPUT CONTENTS	RECIEVED OUTPUT CONTENTS	MAIN CONTENTS	MAIN CONTENTS	NONE	OUTPUT CONTENT FROM MEMORY									b23

FIG.7

**EXAMPLE OF THE RELATIONSHIP BETWEEN
REPRESENTATIVE SITUATION AND THE MESSAGE ID**

0x01 : INTERRUPT THE DISPLAY OF MAIN CONTENTS AND BEGIN THE DISPLAY OF SUB CONTENTS
0x02 : INTERRUPT THE DISPLAY OF SUB CONTENTS / RE-INITIATE THE DISPLAY OF MAIN CONTENTS
0x03 : INTERRUPT THE DISPLAY OF SUB CONTENTS / RE-INITIATE THE PLAYBACK OF MAIN CONTENTS
0x04 : TERMINATE THE DISPLAY OF MAIN CONTENTS AND SUB CONTENTS
0x05 : INTERRUPT THE DISPLAY OF MAIN CONTENTS / RESUME THE DISPLAY OF SUB CONTENTS

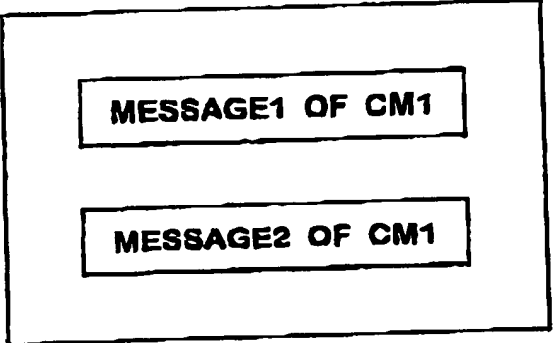
FIG.8



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FIG.9

SCREEN DISPLAY OF CM1



FOR THE

FIG.10

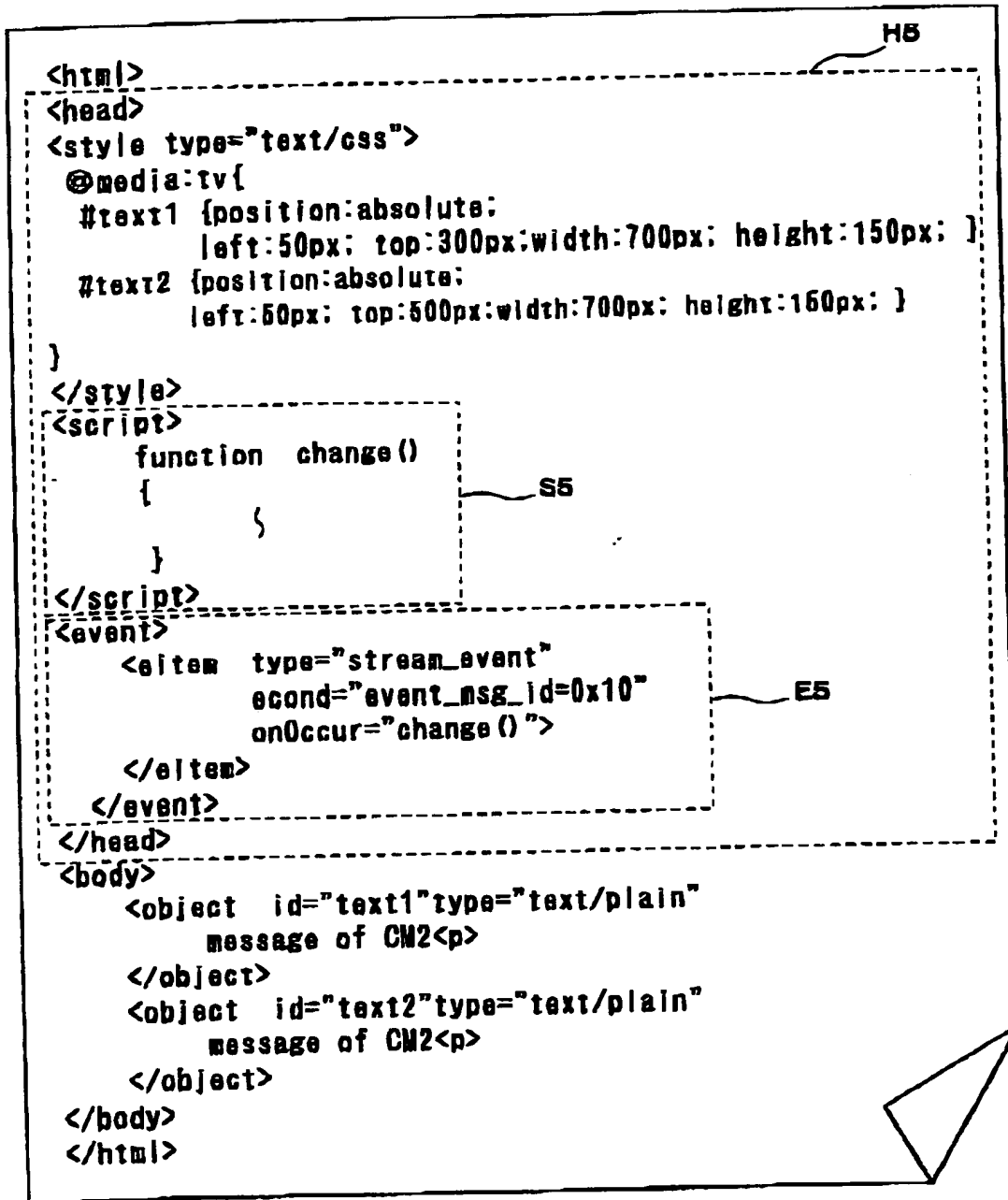


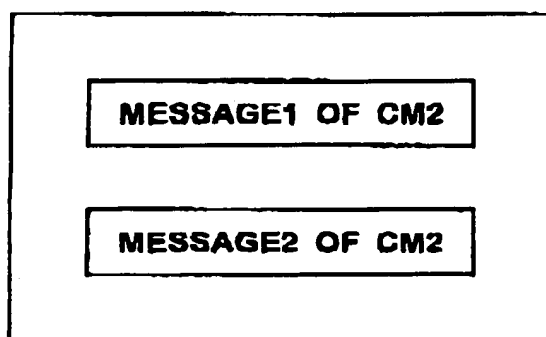
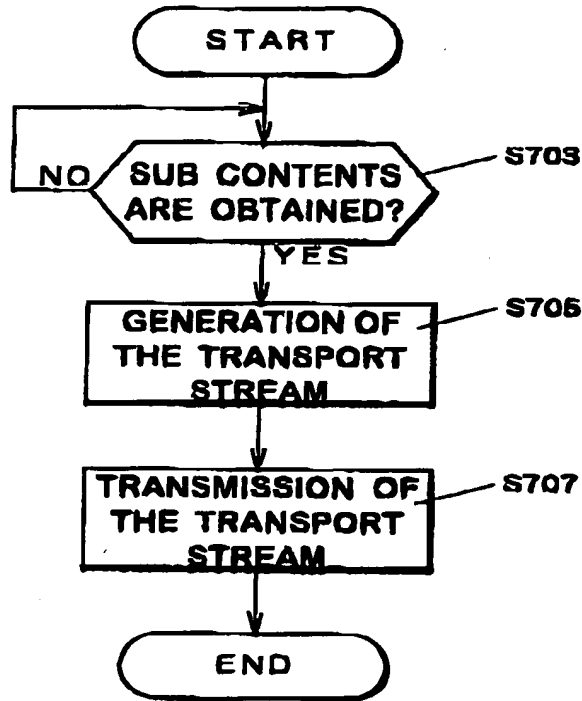
FIG.11**SCREEN DISPLAY OF CM2**

FIG.12

OPERATION BY DIGITAL BROADCAST TRANSMISSION DEVICE 81



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FIG.13

OPERATION BY DIGITAL BROADCAST RECEPTION DEVICE 91

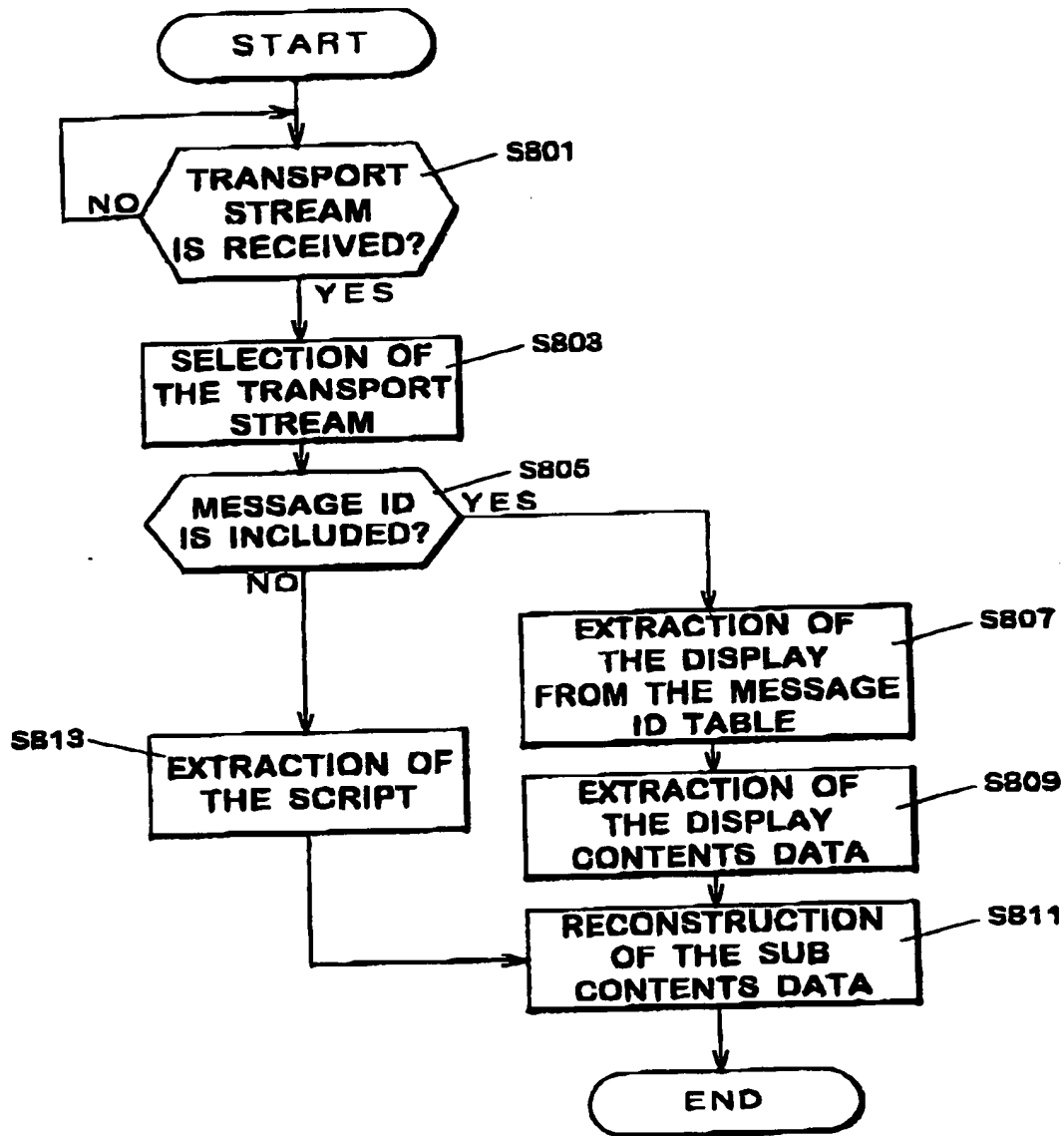


FIG. 14

FIG.14

CASE1

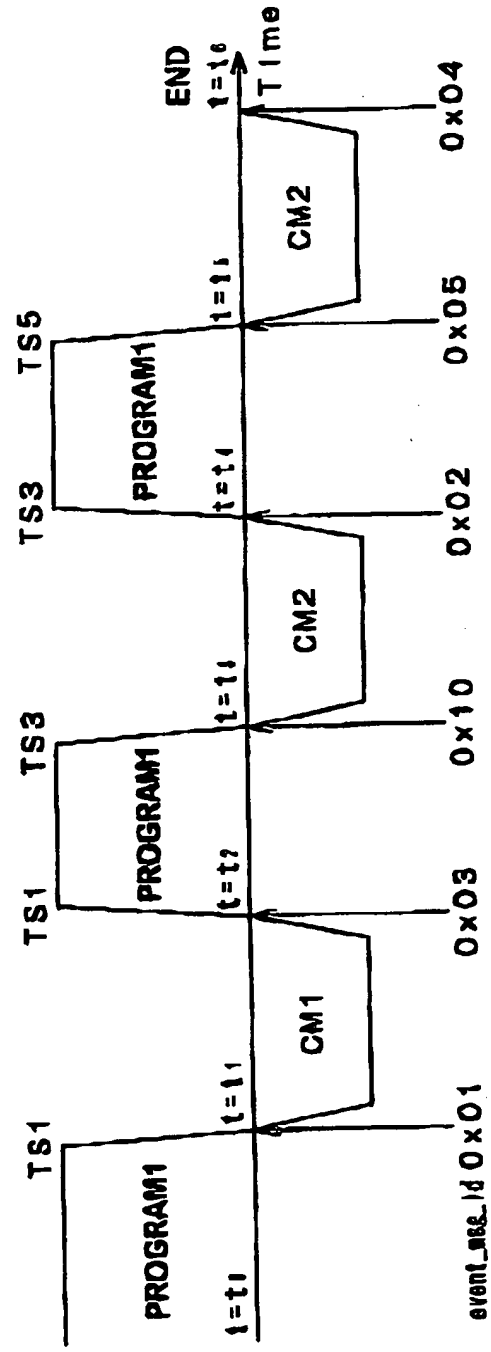


FIG.15

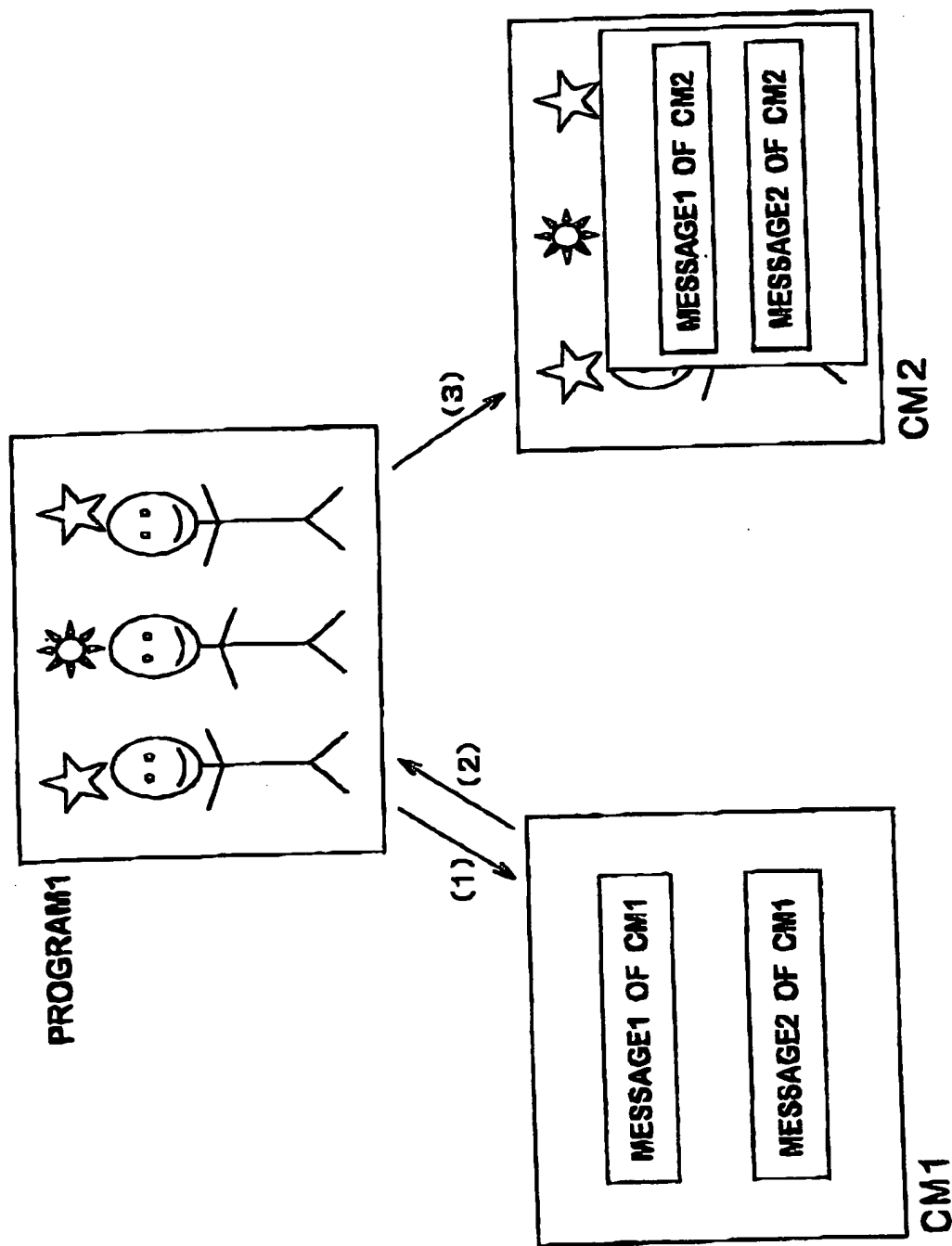


FIG.16

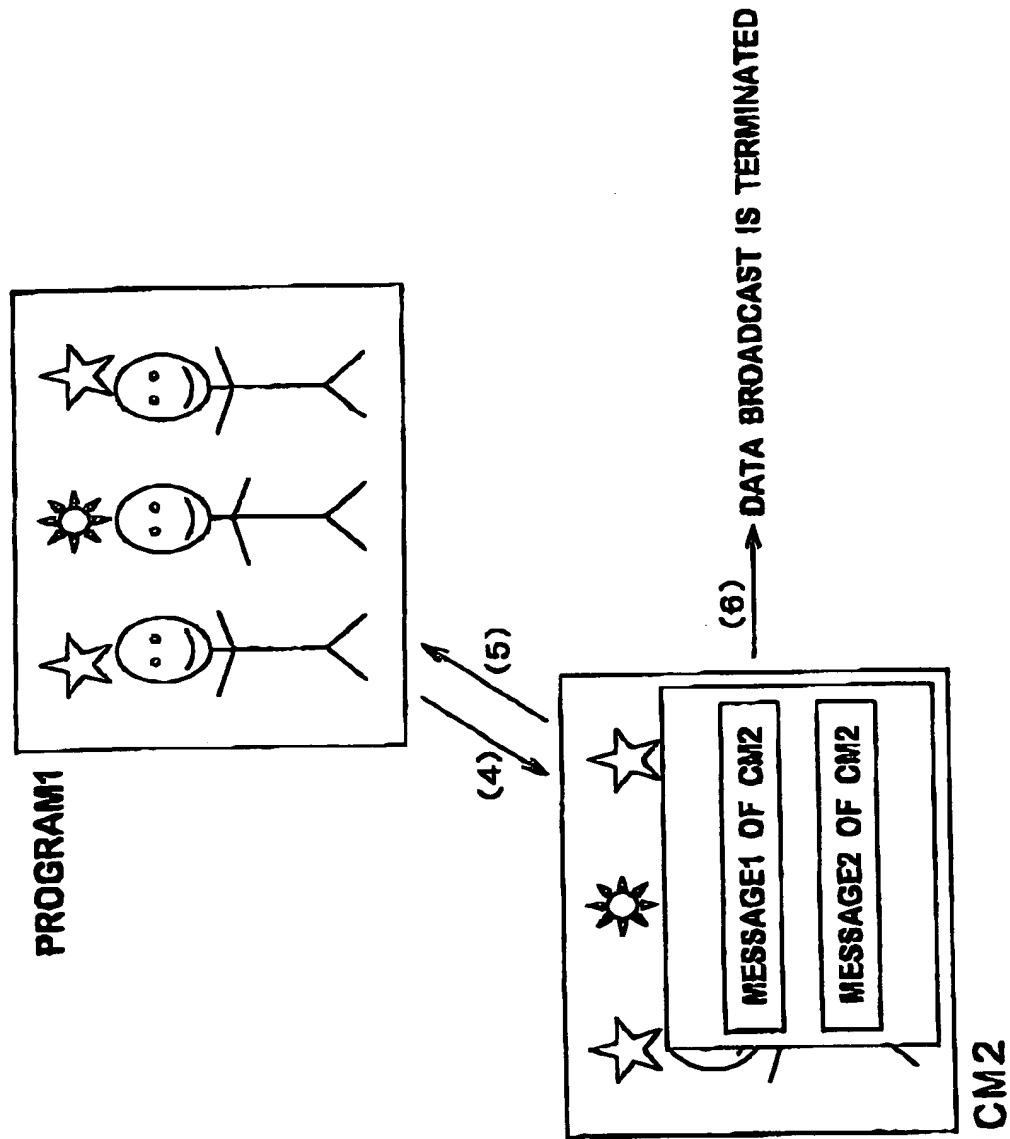


FIG.17

CONCEPTUAL DRAWING OF THE BROADCAST SYSTEM 51

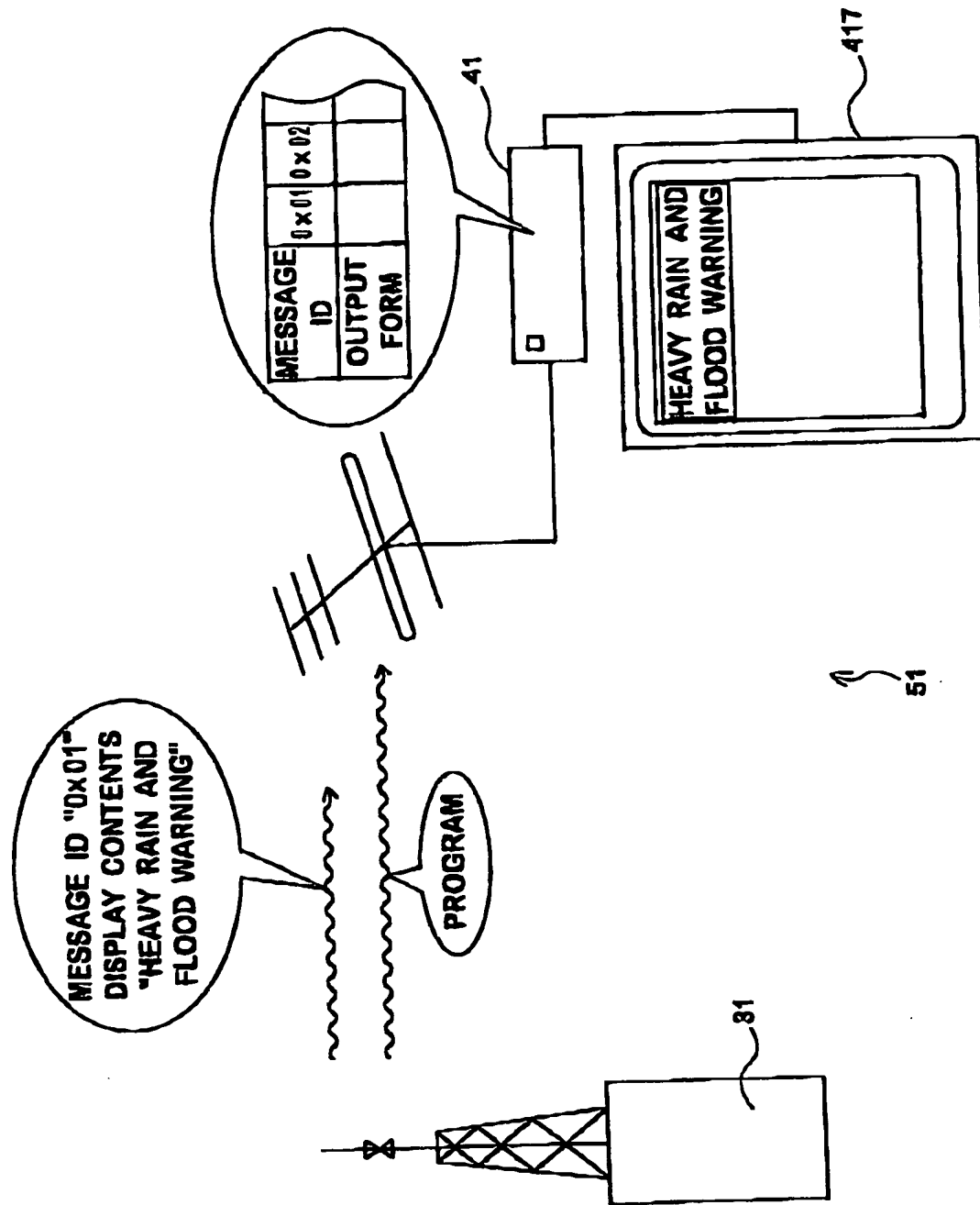


FIG.18

DATA STRUCTURE OF THE REFERENCE TABLE
OF THE MESSAGE ID AND THE DISPLAY FORM

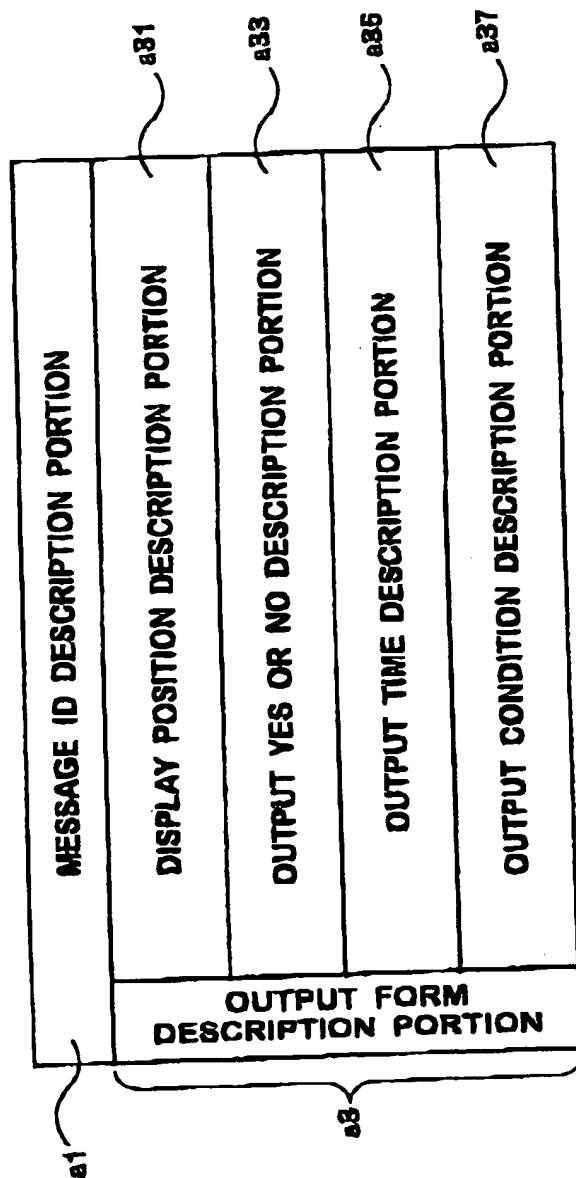


FIG.19

ID	b1			b2			b3			T1
	0x01			0x02			0x03			b11
	ACTIVE, 50, 300, 400, 100			50, 300, 400, 100			50, 300, 400, 100			b13
	OUTPUT			OUTPUT			OUTPUT			b15
	—			WHEN THE MESSAGE ID IS OBTAINED			WHEN THE MESSAGE ID IS OBTAINED			b17
	—			SOUND ON			OPEN THE OTHER WINDOW			b19

FIG.20

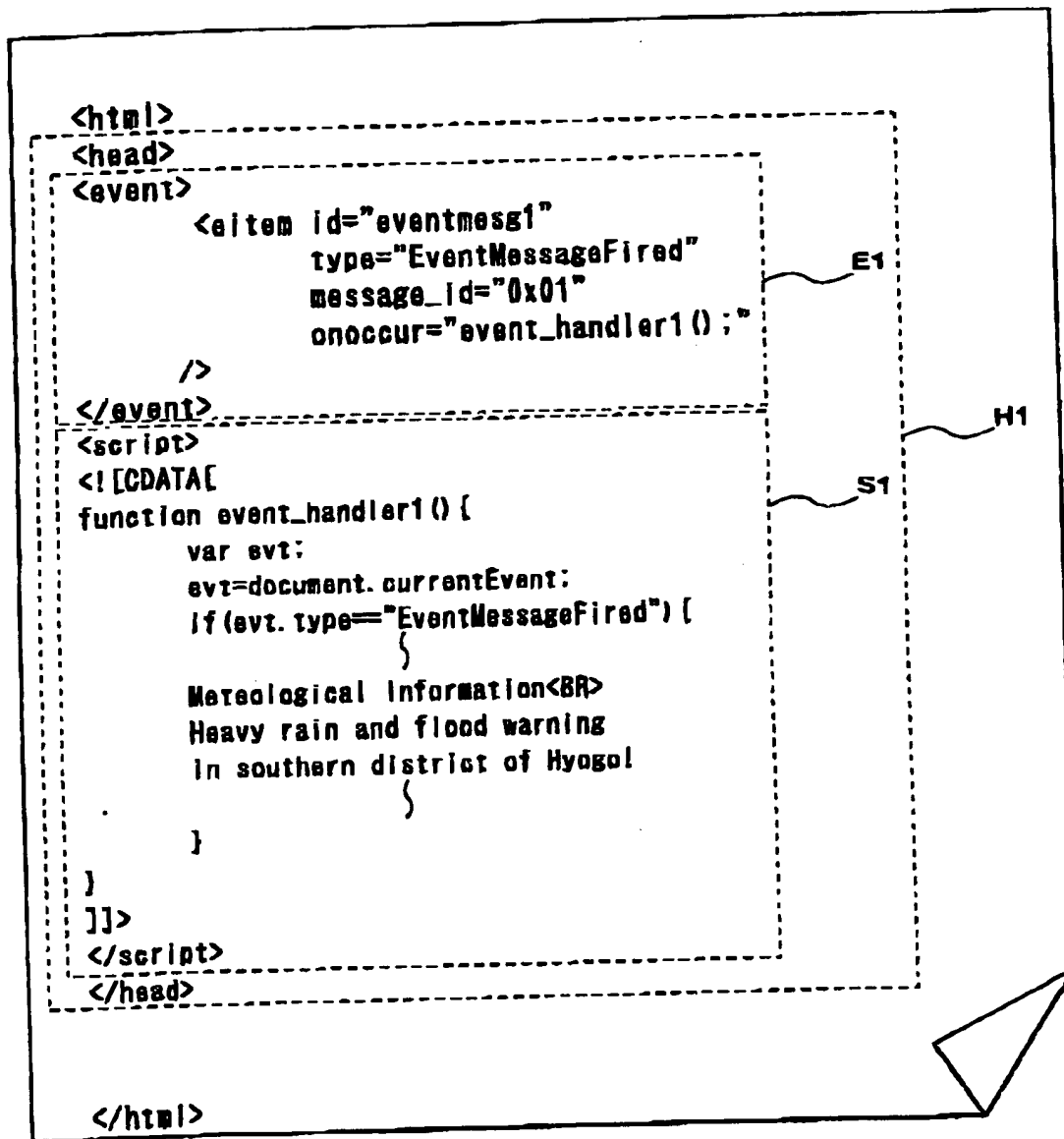


FIG.21

SCREEN IN THE CAST THAT EMERGENCY INFORMATION
IS DISPLAYED ON AN EXISTING BROADCAST SYSTEM

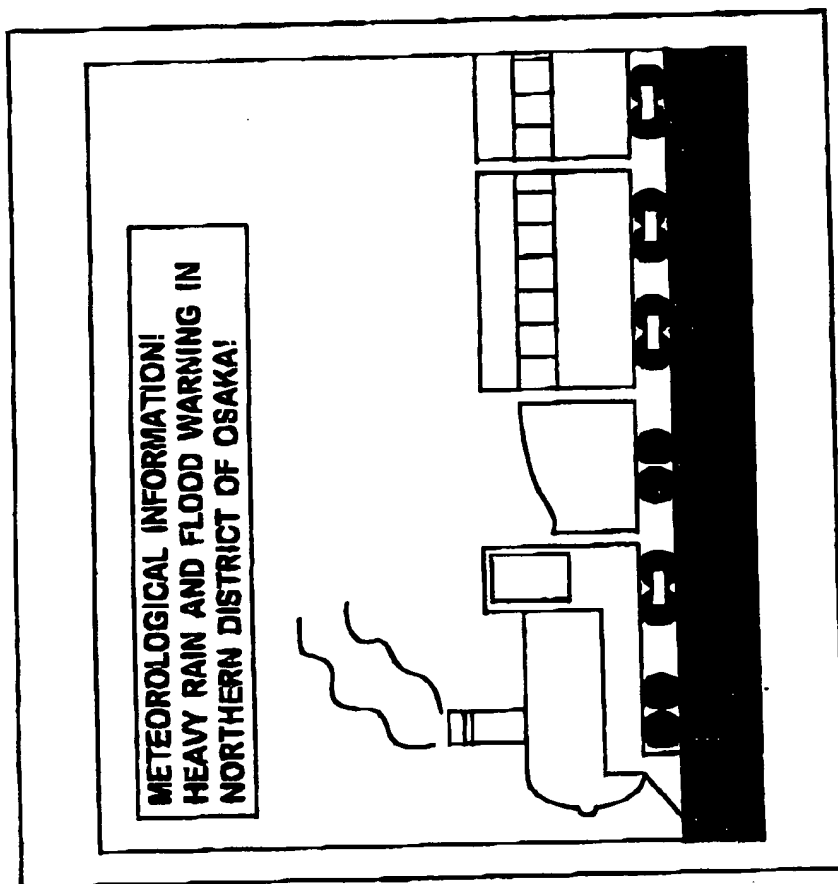


FIG.22

EXAMPLE OF MESSAGE ID TABLE

ID NUMBER	POSITION	CONTENTS
0x01	50,300,700,150	METEOROLOGICAL INFORMATION HEAVY RAIN AND FLOOD WARNING IN ALL AREA OF OSAKA!
0x02	50,300,700,150	METEOROLOGICAL INFORMATION HEAVY RAIN AND FLOOD WARNING IN ALL AREA OF HYOGO!
0x03	50,300,700,150	METEOROLOGICAL INFORMATION HEAVY RAIN AND FLOOD WARNING IN ALL AREA OF KYOTO!
0x04	50,300,700,150	METEOROLOGICAL INFORMATION HEAVY RAIN AND FLOOD WARNING IN ALL AREA OF NARA!
---	---	---
0x11	50,300,700,150	METEOROLOGICAL INFORMATION HEAVY RAIN AND FLOOD WARNING IN NORTHERN DISTRICT OF OSAKA!
0x12	50,300,700,150	METEOROLOGICAL INFORMATION HEAVY RAIN AND FLOOD WARNING IN SOUTHERN DISTRICT OF OSAKA!
---	---	---
0x51	50,900,700,150	EARTHQUAKE INFORMATION ...
---	---	---
0xB9		DISPLAY IN CONFORMANCE WITH THE SCRIPT

FIG. 23

CONSTITUTIONAL DIAGRAM OF TRANSMISSION DEVICE AND
RECEPTION DEVICE IN CONVENTIONAL BROADCAST SYSTEM

